	Deduction of openings:								
	Doors	10	0.75		2.10	15.75			
						15.75			
						33.60	Sqmt	**761.08**	**25572.29**
	Basic Rate:	688.00							
	Add: Lift Charges for First Floor	30.00							
	Total for First Floor	718.00							
	Area Weightage @ 6%	43.08							
	Total	761.08							
23	Providing 12mm thick cement plaster in single coat with cement mortar 1:3 to **Ceiling** including rounding off corners wherever required smooth rendering,, Providing and removing scaffolding, including cost of materials, labour, lead, lift, curing complete as per specifications and direction of the Engineer in charge Providing Lime rendering for Plastering to Ceiling including cost of materials, labour, curing complete as per specification.								
	S.R Page no 113, item no 15.21/15.33								
	Ground Floor								
	ceiling	2	8.00	4.55	-	72.80			
	Staircase Bottom	2	3.60	2.00		14.40			
	Landing	1	4.00	2.00		8.00			
		2	9.00	2.57		46.26			
		1	8.30	5.40		44.82			
						186.28			
	First Floor								
	ceiling	2	8.00	4.55	-	72.80			
	Staircase Bottom	2	3.60	2.00		14.40			
	Landing	1	4.00	2.00		8.00			
		2	9.00	2.57		46.26			
						141.46			
						327.74	Sqmt	**219.42**	**71912.71**
	Basic Rate:	207.00							
	Area Weightage @ 6%	12.42							
	Total	219.42							
24	Providing 18mm thick cement plaster in single coat with **cement mortar 1:4,** to brick masonry including rounding off corners wherver required smooth rendering, : Providing **lime rendering** for plastering to wall and ceiling and Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications, direction of the Engineer in charge.for **Inside**								
	S.R.page113 item No.15.16 and S.R.page 114 item 15.33								
	Ground Floor								
	Gents Toilet	2	8.00		3.05	48.80			
		2	4.55		3.05	27.76			
		8	1.35	-	2.10	22.68			
		2	2.00		2.10	8.40			
	Ladies Toilet	2	8.00		3.05	48.80			
		2	4.55		3.05	27.76			
		8	1.35	-	2.10	22.68			
		2	2.00		2.10	8.40			
		4	5.40		3.05	65.88			
		2	8.30		3.05	50.63			
		20	1.35		2.10	56.70			
		4	2.00		2.10	16.80			
		4	3.00		2.10	25.20			
						430.48			
	Deductions of Openings								
	D	1	1.10		2.10	2.31			
	D1	10	0.75		2.10	15.75			
	V	5.5	1.00		0.45	2.48			
	V1	2	0.60		0.45	0.54			

	D	2	1.10		2.10	4.62				
	D1	10	0.75		2.10	15.75				
	V	4.5	1.00		0.45	2.03				
	V1	2	0.60		0.45	0.54				
						44.01				
	Basic Rate:	234.00				**386.47**	Sqmt	**248.04**	95860.02	
	Area Weightage @ 6%	14.04								
	Total	248.04								
	First Floor									
	Gents Toilet	2	8.00		3.05	48.80				
		2	4.55		3.05	27.76				
		8	1.35	-	2.10	22.68				
	Ladies Toilet	2	2.00		2.10	8.40				
		2	8.00		3.05	48.80				
		2	4.55		3.05	27.76				
		8	1.35	-	2.10	22.68				
	Head Room	2	2.00		2.10	8.40				
		2	5.60		3.00	33.60				
		1	4.50		3.00	13.50				
	Deductions of Openings					**262.37**				
	D	1	1.10		2.10	2.31				
	D1	10	0.75		2.10	15.75				
	V	5.5	1.00		0.45	2.48				
	V1	2	0.60		0.45	0.54				
						21.08				
	Basic Rate:	234.00				**241.30**	Sqmt	**253.34**	61129.68	
	Add: Lift Charges for First Floor	5.00								
	Total for First Floor	239.00								
	Area Weightage @ 6%	14.34								
	Total	253.34								
25	Providing 18mm thick cement plaster in single coat with **cement mortar 1:4,** to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for **Outside Plastering**									
	S.R Page no 113, item no 15.16									
	Ground Floor	2	9.90		3.50	69.30				
		2	8.40		3.50	58.80				
		2	8.90		3.50	62.30				
		2	6.00		3.50	42.00				
	Deductions					**232.40**				
	D	2	1.10		2.10	4.62				
	V	5.5	1.00		0.45	2.48				
	V1	2	0.60		0.45	0.54				
	D	2	1.10		2.10	4.62				
	V	4.5	1.00		0.45	2.03				
	V1	2	0.60		0.45	0.54				
						14.82				
	Basic Rate:	210.00				**217.58**	Sqmt	**222.60**	48433.31	
	Area Weightage @ 6%	12.60								
	Total	222.60								
	First Floor									
	Head Room	2	9.90		3.50	69.30				
		2	8.40		3.50	58.80				
		2	5.60		3.00	33.60				

		1	4.50		3.00	13.50			
	Deductions					**175.20**			
	D								
	V	2	1.10		2.10	4.62			
	V1	5.5	1.00		0.45	2.48			
		2	0.60		0.45	0.54			
						7.64			
	Basic Rate:	210.00				**167.57**	Sqmt	**233.20**	**39076.16**
	Add: Scaffolding Charges for First Floor	10.00 (Note-3 P225)							
	Total for First Floor	220.00							
	Area Weightage @ 6%	13.20							
	Total	233.20							
26	Providing **Ceramic tiles of** approved make shade and size **for flooring,** treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications **size 30 x 30 cms 6mm thick**								
	S.R.page 106 item 14.36.2								
	Ground Floor								
	For Flooring(Toilet)	2	8.00	4.55		72.80			
		1	8.30	5.40		44.82			
						117.62	Sqmt	**1191.44**	**140137.17**
	Basic Rate:	1124.00							
	Area Weightage @ 6%	67.44							
	Total	1191.44							
	First Floor								
	For Flooring(Toilet)	2	8.00	4.55		72.80			
						72.80	Sqmt	**1193.03**	**86852.58**
	Basic Rate:	1124.00							
	Add: Lift Charges for First Floor	1.50							
	Total for First Floor	1125.50							
	Area Weightage @ 6%	67.53							
	Total	1193.03							
27	Providing Skirting, Dado, rises of steps with **colour glazed tiles** 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over roughj plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, Complete as per specifications. **size 15 x 15 cms - 6mm thick**								
	S.R.page 106 item 14.41.2								
	Ground floor								
	Toilet	4	8.00		2.10	67.20			
		4	4.55		2.10	38.22			
		6	1.35		2.10	17.01			
		4	1.00		2.10	8.40			
		10	1.35		2.10	28.35			
		6	1.00		2.10	12.60			
		2	8.30		2.10	34.86			
		2	5.40		2.10	22.68			
		2	5.40		2.10	22.68			
						252.00			
	Doors deduction D2	10	0.75		2.10	15.75			
	Doors	2	1.10		2.10	4.62			

	Doors deduction D2	10	0.75		2.10	15.75			
	Doors	2	1.10		2.10	4.62			
						40.74			
	Basic Rate	1419.00				**211.26**	sqmt	**1504.14**	**317764.62**
	Area Weightage 6%	85.14							
	Total	**1504.14**							
	First floor								
	Toilet	4	8.00		2.10	67.20			
		4	4.55		2.10	38.22			
		6	1.35		2.10	17.01			
		4	1.00		2.10	8.40			
		10	1.35		2.10	28.35			
		6	1.00		2.10	12.60			
						171.78			
	Doors deduction D2	10	0.75		2.10	15.75			
	Doors	2	1.10		2.10	4.62			
						20.37			
	Basic Rate	1419.00				**151.41**	sqmt	**1505.73**	**227982.58**
	lift charges for 1st floor	1.50							
		1420.50							
	Area Weightage 6%	85.23							
	Total	**1505.73**							
28	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. B731								
	S.R Page no 57 item no 9.80								
		12				12			
		12				12			
						24.00	Sqmt	**1073.78**	**25770.72**
	Basic Rate:	1013.00							
	Area Weightage @ 6%	60.78							
	Total	1073.78							
29	Providing **Honne Wood frames** of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications.								
	S.R.page 51 Item No.9.11								
	Ground Floor								
	Doors	4	1.40	0.10	0.10	0.06			
		4	2.10	0.10	0.10	0.08			
	Toilrt Doors	20	1.00	0.10	0.075	0.15			
		20	2.10	0.10	0.075	0.32			
	Doors	4	1.40	0.10	0.10	0.06			
		4	2.10	0.10	0.10	0.08			
	Toilrt Doors	20	1.00	0.10	0.075	0.15			
		20	2.10	0.10	0.075	0.32			

	First Floor					1.21			
	Doors	4	1.40	0.10	0.10	0.06			
		4	2.10	0.10	0.10	0.08			
	Toilrt Doors	20	1.00	0.10	0.075	0.15			
		20	2.10	0.10	0.075	0.32			
						0.61			
						1.82	Cum	108793.10	197459.48
	Basic Rate:	102635.00							
	Area Weightage @ 6%	6158.10							
	Total	108793.10							
30	Providing and fixing in position fully panelled Honne Wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries Complete as per Specifications.								
	SR Page No.51, item No.9.15								
	Ground Floor								
	Doors	4	0.90		1.90	6.84			
	Toilet Doors	10	0.60		1.90	11.40			
	Doors	4	0.90		1.90	6.84			
	Toilet Doors	10	0.60		1.90	11.40			
						36.48	Sqm	4795.44	174937.65
	Basic Rate:	4524.00							
	Area Weightage @ 6%	271.44							
	Total	4795.44							
	First Floor								
	Doors	4	0.90		1.90	6.84			
	Toilet Doors	10	0.60		1.90	11.40			
						18.24	Sqm	4798.62	87526.83
	Basic Rate:	4524.00							
	Add: Lift Charges for First Floor	3.00							
	Total for First Floor	4527.00							
	Area Weightage @ 6%	271.62							
	Total	4798.62							
31	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.								
	S.R.page 32 item 7.9								
	Ground Floor								
	V	11	1.00		0.45	4.95			
	V1	4	0.60		0.45	1.08			
	V	9	1.00		0.45	4.05			
	V1	4	0.60		0.45	1.08			
						11.16	Sqmt		
			11.16	21.00		**234.36**	Kgs	90.10	21115.84

	Basic Rate:	85.00							
	Area Weightage @ 6%	5.10							
	Total	90.10							
	First Floor								
	V	11	1.00		0.45	4.95			
	V1	4	0.60		0.45	1.08			
						6.03	Sqmt		
			6.03	21.00		**126.63**	Kgs	**95.40**	**12080.50**
	Basic Rate:	85.00							
	Add: Lift Charges for First Floor	5.00							
	Total for First Floor	90.00							
	Area Weightage @ 6%	5.40							
	Total	95.40							
32	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using threetrack window frame of size 92x31.75mm bottom section 1.3mm thick,weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933kg/m.shutter frame section comprising top and bottom section of size40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutterinterlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved qualityof fixtures such as aluminium handles tower bolts etc.; providing andfixing 5.5mm. thick plain glass for shutters fitted with rubber beading allaluminium sections including cutting to required length, joints mitredsubdividing the frame tenonned and rivetted, in the assembled frame,stiffened with end clips for corners, angles etc., and fixed to the walls,lintels, floor beams/cills as the case may be, with necessary steelscrews, raul plugs or teak wood gatties including cutting masonry orconcrete and making good the original surface using cement mortar.(using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder ofapproved quality.)								
	S.R.page 33 item 7.11.2								
	Ground Floor-								
	V	11	1.00		0.45	4.95			
	V1	4	0.60		0.45	1.08			
	V	9	1.00		0.45	4.05			
	V1	4	0.60		0.45	1.08			
						11.16	Sqmt	**4356.60**	**48619.66**
	Basic Rate:	4110.00							
	Area Weightage @ 6%	246.60							
	Total	4356.60							
	First Floor								
	V	11	1.00		0.45	4.95			
	V1	4	0.60		0.45	1.08			
						6.03	Sqmt	**4361.90**	**26302.26**
	Basic Rate:	4110.00							
	Add: Lift Charges for First Floor	5.00							
	Total for First Floor	4115.00							
	Area Weightage @ 6%	246.90							
	Total	4361.90							
33	Flooring with 20mm thick polished **shahabad slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed withcement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications.**(Staircase)**								
	S.R Page no 100, item no 14.15								
	Ground Floor 14.16								
	Threads	22	2.00	0.30		13.20			
	Risers	23	1.50		0.15	5.18			
	Landing	4	2.00		1.50	12.00			
		2	9.00	2.37		42.66			

		1	9.90	2.05		20.30			
						93.33	Sqmt	**1216.88**	113571.41
	Basic Rate:	1148.00							
	Area Weightage @ 6%	68.88							
	Total	1216.88							
	First Floor								
	Threads	22	2.00	0.30		13.20			
	Risers	23	1.50		0.15	5.18			
	Landing	4	2.00		1.50	12.00			
		2	9.00	2.37		42.66			
		1	9.90	2.05		20.30			
						93.33	Sqmt	**1218.47**	113719.81
	Basic Rate:	1148.00							
	Add: Lift Charges for First Floor	1.50							
	Total for First Floor	1149.50							
	Area Weightage @ 6%	68.97							
	Total	1218.47							
34	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers including cost of all materials cost oif labour and scaffolding etc complete as per the specifications								
	S.R.page 125 Item 15.106								
	Ground Floor								
	Celing and Plastering Qty					572.75			
						572.75			
	First Floor								
	Celing and Plastering Qty					382.76			
						382.76			
						955.51	Sqmt	**57.24**	54693.11
	Basic Rate:	54.00							
	Area Weightage @ 6%	3.24							
	Total	57.24							
35	Providing and applying painting in two coats with plastic Emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge. (with Primer)								
	S.R.page 113 item15.51.2								
	Ground Floor								
	Internal Walls					386.47			
						386.47			
	First Floor								
	Internal Walls					241.30			
						241.30			
						627.77	Sqmt	**90.10**	56561.63
	Basic Rate:	85.00							
	Area Weightage @ 6%	5.10							
	Total	90.10							

36	Providing and applying painting in two coats with **plastic Emulsion paint** of approved brand on ceiling surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge.**with primer**								
	S.R.page 116 Item 15.51/15.51.3								
	Internal Walls -Ground Floor					186.28			
						141.46			
						327.74	Sqmt	94.34	30918.99
	Basic Rate:	89.00							
	Area Weightage @ 6%	5.34							
	Total	94.34							
37	Providing ACE paint to external walls of approved colour and shade over prime's coat.after brooming & cleaning the surface and applying two coats of ACE paint with cost of all material,labour,lead lift with loading unloading etc.complete as per direction of Engineer in charge of work.(Approved rates)								
	Ground Floor								
	External walls					217.58			
						167.57			
						385.15	Sqmt	180.00	69327.00
38	Providing and fixing Stainless steel 304 grade for staircase ralings balconies ramps with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications.								
	S.R.page 48 item 7.38								
	Ground Floor								
		1	20.00			**20.00**	Sqmt	6473.42	129468.40
	Basic Rate:	6107.00							
	Area Weightage @ 6%	366.42							
	Total	6473.42							
39	Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughlycleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, completeas per specifications.								
	S.R.page 118 item 15.59								
	Doors(Ground Floor)	2	1.10		2.10	4.62			
	Toilet Doors	10	0.75		2.10	15.75			
	Doors(First Floor)	2	1.10		2.10	4.62			
	Toilet Doors	10	0.75		2.10	15.75			
		2	1.10		2.10	4.62			
		10	0.75		2.10	15.75			
						61.11			
	11.55*2.25=25.99		61.11	2.25		**137.50**	Sqmt	41.34	5684.15
	Basic Rate	39.00							
	Area Weightage 6%	2.34							
	Total	**41.34**							

85.00
4.00
89.00

40	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood basedsurface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications.								
	S.R.page 118 item 15.60.1								
	Doors(Ground Floor)	2	1.10		2.10	4.62			
	Toilet Doors	10	0.75		2.10	15.75			
	Doors(First Floor)	2	1.10		2.10	4.62			
	Toilet Doors	10	0.75		2.10	15.75			
		2	1.10		2.10	4.62			
		10	0.75		2.10	15.75			
						61.11			
	11.55*2.25=25.99		61.11	2.25		**137.50**	Sqmt	**85.86**	**11805.54**
	Basic Rate	81.00							
	Area Weightage 6%	4.86							
	Total	**85.86**							
41	Providing and applying enamel metal paint two coats(excluding priming coat) over new steel or other metal surfacebrushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as perspecifications.								
	S.R.page 120 item 15.74								
	Ground Floor								
	V	11	1.00		0.45	4.95			
	V1	4	0.60		0.45	1.08			
	V	9	1.00		0.45	4.05			
	V1	4	0.60		0.45	1.08			
	First Floor								
	V	11	1.00		0.45	4.95			
	V1	4	0.60		0.45	1.08			
						17.19			
		17.19	2.25			**38.68**	Sqmt	**83.74**	**3239.06**
	Basic Rate	79.00							
	Area Weightage 6%	4.74							
	Total	**83.74**							
42	Providing and laying in positon plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregrates @ 0.69cum and fine aggregates @ 0.43cum,with super plastisiser @ 3 litres confirming to IS 9103-1999 reaffirmed-2008, machine mixed concrete laid in layers not exceeding 15 cms thick will compacted in foundation, plinth and cills including cost of all materials, labour, HOM of machinery curing complete as per specifications.								
	S.R.page 12 item 4.5								
	First floor (for WPC on Terrace)								
		1	9.90	8.40	0.075	6.24			
		1	9.90	9.00	0.075	6.68			
		1	8.90	6.00	0.075	4.01			
						16.92			
		1	5.60	4.50	0.08	1.89			
	Basic Rate	5548.00				**15.03**	Cumt	**5933.88**	**89212.92**
	Add: Lift Charges for First Floor	50.00							
	Total for First Floor	5598.00							
	Area Weightage 6%	335.88							
	Total	**5933.88**							

43	Extra for use of water proofing compound in cement concrete of mix M-20, @ 1kg of compound per Bag of cement.								
	S.R.page.14 Item 4.25								
	Quantity vide item No.					15.03	Cumt	200.34	3012.01
	Basic Rate	189.00							
	Area Weightage 6%	11.34							
	Total	200.34							
44	Misscellaneous								
a	Providing and fixing of Door locking arrangements(page XIV,item no 397)								
			5			5	Each	633.00	3165.00
b	Providing and fixing of Handles powder coated 150mm(page XIV,item No,393)								
			5			5	Each	56.00	280.00
c	Providing and fixing of Hinges 5" heavy duty(Page No.XIV,item No395)								
			50			50	Each	37.00	1850.00
d	Providing and fixing of Hold fasts MS (Page No XIV, item No 396)								
			10			10	Each	38.00	380.00
e	Providing and fixing of Tower bolt 300mm long(page No,XIV, item No 412)								
			15			15	Each	116.00	1740.00
								TOTAL	4672220.04
45	Miscelleneous								79.96
					GRAND TOTAL				4672300.00
	(RUPEES FORTY SIX LAKHS SEVENTY TWO THOUSAND THREE HUNDRED ONLY)								

CERTIFICATES

1) The work spot has been inspected and found to be necessary
2) This estimate is prepared as per KPWD SR. of 2015-16 & Approved Rates
3) The provisions were made in this estimate are necessary and adequate.
4) This works come under B.B.M.P. limits.
5) The work is not Spilt Up.

Assistant Engineer
Project Sub Division
Yelahanka Zone, BBMP

Assistant Executive Engineer 21/02/16
Project Sub Division
Yelahanka Zone, BBMP

Executive Engineer 21/2/16
Project division
Yelahanka Zone, BBMP Bangalore